



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101602,394
Source: FFWD
Date Processed by STIC: 12/2/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was reviewed in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence (2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species) <220>.<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input checked="" type="checkbox"/> Misuse of n/Xaa	<u>"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid</u>	



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/602,394

DATE: 12/02/2004
TIME: 13:02:07

Input Set : A:\UF-375.ST25.txt
Output Set: N:\CRF4\12022004\J602394.raw

3 <110> APPLICANT: Haskell-Luevano, Carrie
5 <120> TITLE OF INVENTION: Novel Melanocortin Receptor Peptide Template for the
Treatment of

6 Obesity
8 <130> FILE REFERENCE: UF-375
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/602,394

C--> 10 <141> CURRENT FILING DATE: 2003-06-23

10 <160> NUMBER OF SEQ ID NOS: 43
12 <170> SOFTWARE: PatentIn version 3.2

(pg. 7)

14 <210> SEQ ID NO: 1

15 <211> LENGTH: 12

16 <212> TYPE: PRT

17 <213> ORGANISM: Artificial Sequence

19 <220> FEATURE:

20 <223> OTHER INFORMATION: chimeric peptide

23 <220> FEATURE:

24 <221> NAME/KEY: MISC_FEATURE

25 <222> LOCATION: (2)..(2)

26 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this

peptide

Does Not Comply
Corrected Diskette Needed

(pg. 16)

27 (begin)

29 <220> FEATURE:

30 <221> NAME/KEY: MISC_FEATURE

31 <222> LOCATION: (6)..(6)

32 <223> OTHER INFORMATION: Xaa = DPhe

34 <220> FEATURE:

35 <221> NAME/KEY: MISC_FEATURE

36 <222> LOCATION: (11)..(11)

37 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this

peptide

38 (end)

40 <400> SEQUENCE: 1

W--> 42 Tyr Xaa Cys Arg Phe Xaa Asn Ala Phe Cys Xaa Tyr

43 1 5 10

46 <210> SEQ ID NO: 2

47 <211> LENGTH: 12

48 <212> TYPE: PRT

49 <213> ORGANISM: Artificial Sequence

51 <220> FEATURE:

52 <223> OTHER INFORMATION: chimeric peptide

55 <220> FEATURE:

56 <221> NAME/KEY: MISC_FEATURE

57 <222> LOCATION: (2)..(2)

58 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this

INVALID
Response

"Xaa" CAN ONLY
represent a
single amino
acid.

See item
#13 on error
summary
sheet.

INVALID Response

peptide
59 (begin)
61 <220> FEATURE:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/602,394

DATE: 12/02/2004
TIME: 13:02:07

Input Set : A:\UF-375.ST25.txt
Output Set: N:\CRF4\12022004\J602394.raw

✓ See Item
#13 on
error
summary
sheet

62 <221> NAME/KEY: MISC_FEATURE
63 <222> LOCATION: (10)..(10)
64 <223> OTHER INFORMATION: Xaa = diaminopropionic acid (Dpr)
66 <220> FEATURE:
67 <221> NAME/KEY: MISC_FEATURE
68 <222> LOCATION: (11)..(11)
69 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide

INVALID
Response

70 (end)

72 <400> SEQUENCE: 2

W--> 74 Tyr Xaa Asp Ala Ala Ala Asn Ala Phe Xaa Xaa Tyr
75 1 5 10

78 <210> SEQ ID NO: 3

79 <211> LENGTH: 12

80 <212> TYPE: PRT

81 <213> ORGANISM: Artificial Sequence

83 <220> FEATURE:

84 <223> OTHER INFORMATION: chimeric peptide

87 <220> FEATURE:

88 <221> NAME/KEY: MISC_FEATURE

89 <222> LOCATION: (2)..(2)

90 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide

INVALID
Response

91 (begin)

93 <220> FEATURE:

94 <221> NAME/KEY: MISC_FEATURE

95 <222> LOCATION: (10)..(10)

96 <223> OTHER INFORMATION: Xaa = diaminopropionic acid (Dpr)

98 <220> FEATURE:

99 <221> NAME/KEY: MISC_FEATURE

100 <222> LOCATION: (11)..(11)

101 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide

INVALID
Response

102 (end)

104 <400> SEQUENCE: 3

W--> 106 Tyr Xaa Asp Arg Phe Phe Asn Ala Phe Xaa Xaa Tyr
107 1 5 10

110 <210> SEQ ID NO: 4

111 <211> LENGTH: 12

112 <212> TYPE: PRT

113 <213> ORGANISM: Artificial Sequence

115 <220> FEATURE:

116 <223> OTHER INFORMATION: chimeric peptide

119 <220> FEATURE:

120 <221> NAME/KEY: MISC_FEATURE

121 <222> LOCATION: (2)..(2)

122 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide

INVALID
Response

123 (begin)

125 <220> FEATURE:

126 <221> NAME/KEY: MISC_FEATURE

127 <222> LOCATION: (10)..(10)

128 <223> OTHER INFORMATION: Xaa = diaminopropionic acid (Dpr)

INVALID
Response

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/602,394

DATE: 12/02/2004
TIME: 13:02:07

Input Set : A:\UF-375.ST25.txt
Output Set: N:\CRF4\12022004\J602394.raw

see item # 13
on error
summary
sheet.

130 <220> FEATURE:
131 <221> NAME/KEY: MISC_FEATURE
132 <222> LOCATION: (11)..(11)
133 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide
134 (end)

INVALID
Response

W--> 138 Tyr Xaa Asp Trp Arg Phe Asn Ala Phe Xaa Xaa Tyr

139 1 5 10

142 <210> SEQ ID NO: 5

143 <211> LENGTH: 12

144 <212> TYPE: PRT

145 <213> ORGANISM: Artificial Sequence

147 <220> FEATURE:

148 <223> OTHER INFORMATION: chimeric peptide

151 <220> FEATURE:

152 <221> NAME/KEY: MISC_FEATURE

153 <222> LOCATION: (2)..(2)

154 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide
155 (begin)

INVALID
Response

157 <220> FEATURE:

158 <221> NAME/KEY: MISC_FEATURE

159 <222> LOCATION: (6)..(6)

160 <223> OTHER INFORMATION: Xaa = DPhe

162 <220> FEATURE:

163 <221> NAME/KEY: MISC_FEATURE

164 <222> LOCATION: (10)..(10)

165 <223> OTHER INFORMATION: Xaa = diaminopropionic acid (Dpr)

167 <220> FEATURE:

168 <221> NAME/KEY: MISC_FEATURE

169 <222> LOCATION: (11)..(11)

170 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide
171 (end)

INVALID
Response

173 <400> SEQUENCE: 5

W--> 175 Tyr Xaa Asp Trp Arg Xaa Asn Ala Phe Xaa Xaa Tyr

176 1 5 10

179 <210> SEQ ID NO: 6

180 <211> LENGTH: 12

181 <212> TYPE: PRT

182 <213> ORGANISM: Artificial Sequence

184 <220> FEATURE:

185 <223> OTHER INFORMATION: chimeric peptide

188 <220> FEATURE:

189 <221> NAME/KEY: MISC_FEATURE

190 <222> LOCATION: (2)..(2)

191 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide
192 (begin)

INVALID
Response

194 <220> FEATURE:

195 <221> NAME/KEY: MISC_FEATURE

196 <222> LOCATION: (10)..(10)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/602,394

DATE: 12/02/2004
TIME: 13:02:07

Input Set : A:\UF-375.ST25.txt
Output Set: N:\CRF4\12022004\J602394.raw

✓ SAME errors

197 <223> OTHER INFORMATION: Xaa = diaminopropionic acid (Dpr)
199 <220> FEATURE:
200 <221> NAME/KEY: MISC_FEATURE
201 <222> LOCATION: (11)..(11)
202 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide
203 (end)
205 <400> SEQUENCE: 6

W--> 207 Tyr Xaa Asp Phe Arg Trp Asn Ala Phe Xaa Xaa Tyr
208 1 5 10

See item #13 on error summary sheet.

211 <210> SEQ ID NO: 7
212 <211> LENGTH: 12
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: chimeric peptide
220 <220> FEATURE:
221 <221> NAME/KEY: MISC_FEATURE
222 <222> LOCATION: (2)..(2)
223 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide

224 (begin)
226 <220> FEATURE:
227 <221> NAME/KEY: MISC_FEATURE
228 <222> LOCATION: (4)..(4)

229 <223> OTHER INFORMATION: Xaa = DPhe
231 <220> FEATURE:
232 <221> NAME/KEY: MISC_FEATURE
233 <222> LOCATION: (10)..(10)

234 <223> OTHER INFORMATION: Xaa = diaminopropionic acid (Dpr)
236 <220> FEATURE:
237 <221> NAME/KEY: MISC_FEATURE
238 <222> LOCATION: (11)..(11)
239 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide

240 (end)
242 <400> SEQUENCE: /

W--> 244 Tyr Xaa Asp Xaa Arg Trp Asn Ala Phe Xaa Xaa Tyr
245 1 5 10

248 <210> SEQ ID NO: 8
249 <211> LENGTH: 13
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: chimeric peptide
257 <220> FEATURE:
258 <221> NAME/KEY: MISC_FEATURE

259 <222> LOCATION: (2)..(2)
260 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide
261 (begin)

263 <220> FEATURE:
264 <221> NAME/KEY: MISC_FEATURE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/602,394

DATE: 12/02/2004
TIME: 13:02:07

Input Set : A:\UF-375.ST25.txt
Output Set: N:\CRF4\12022004\J602394.raw

265 <222> LOCATION: (11)..(11)
266 <223> OTHER INFORMATION: Xaa = diaminopropionic acid (Dpr)
268 <220> FEATURE:
269 <221> NAME/KEY: MISC_FEATURE
270 <222> LOCATION: (12)..(12)
271 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide
272 (end)
274 <400> SEQUENCE: 8

W--> 276 Tyr Xaa Asp His Arg Phe Phe Asn Ala Phe Xaa Xaa Tyr
277 1 5 10

280 <210> SEQ ID NO: 9
281 <211> LENGTH: 13
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: chimeric peptide
289 <220> FEATURE:
290 <221> NAME/KEY: MISC_FEATURE
291 <222> LOCATION: (2)..(2)

292 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide
293 (begin)

295 <220> FEATURE:
296 <221> NAME/KEY: MISC_FEATURE
297 <222> LOCATION: (11)..(11)
298 <223> OTHER INFORMATION: Xaa = diaminopropionic acid (Dpr)

300 <220> FEATURE:
301 <221> NAME/KEY: MISC_FEATURE
302 <222> LOCATION: (12)..(12)
303 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide

304 (end)
306 <400> SEQUENCE: 9

W--> 308 Tyr Xaa Asp His Phe Arg Trp Asn Ala Phe Xaa Xaa Tyr

309 1 5 10
312 <210> SEQ ID NO: 10
313 <211> LENGTH: 13
314 <212> TYPE: PRT
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: chimeric peptide
321 <220> FEATURE:
322 <221> NAME/KEY: MISC_FEATURE
323 <222> LOCATION: (2)..(2)

324 <223> OTHER INFORMATION: Xaa in this location represents the cyclization of this peptide
325 (begin)

327 <220> FEATURE:
328 <221> NAME/KEY: MISC_FEATURE
329 <222> LOCATION: (5)..(5)
330 <223> OTHER INFORMATION: Xaa = DPhe
332 <220> FEATURE:

✓ SAME
errors

See item #13

on error
summary
sheet.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/602,394

DATE: 12/02/2004
TIME: 13:02:08

Input Set : A:\UF-375.ST25.txt
Output Set: N:\CRF4\12022004\J602394.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,6,11
Seq#:2; Xaa Pos. 2,10,11
Seq#:3; Xaa Pos. 2,10,11
Seq#:4; Xaa Pos. 2,10,11
Seq#:5; Xaa Pos. 2,6,10,11
Seq#:6; Xaa Pos. 2,10,11
Seq#:7; Xaa Pos. 2,4,10,11
Seq#:8; Xaa Pos. 2,11,12
Seq#:9; Xaa Pos. 2,11,12
Seq#:10; Xaa Pos. 2,5,11,12
Seq#:11; Xaa Pos. 1,5,7,15,16
Seq#:12; Xaa Pos. 1,5
Seq#:13; Xaa Pos. 1,5
Seq#:14; Xaa Pos. 1,5
Seq#:15; Xaa Pos. 1,5
Seq#:16; Xaa Pos. 1,5,8
Seq#:17; Xaa Pos. 1,5,9
Seq#:18; Xaa Pos. 1,5,10
Seq#:19; Xaa Pos. 1,2,3,10
Seq#:20; Xaa Pos. 1,2,3,10
Seq#:21; Xaa Pos. 1,2,3,6,10
Seq#:22; Xaa Pos. 1,2,3,7,10
Seq#:23; Xaa Pos. 1,2,3,8,10
Seq#:24; Xaa Pos. 2,5,11,12
Seq#:25; Xaa Pos. 2,11,12
Seq#:26; Xaa Pos. 2,5,11,12
Seq#:27; Xaa Pos. 2,5,11,12
Seq#:28; Xaa Pos. 2,5,11,12
Seq#:29; Xaa Pos. 2,5,11,12
Seq#:30; Xaa Pos. 2,4,5,11,12
Seq#:31; Xaa Pos. 2,11,12
Seq#:32; Xaa Pos. 2,5,11,12
Seq#:33; Xaa Pos. 2,5,11,12
Seq#:34; Xaa Pos. 2,5,11,12
Seq#:35; Xaa Pos. 2,5,11,12
Seq#:36; Xaa Pos. 2,5,11,12
Seq#:37; Xaa Pos. 2,5,11,12
Seq#:38; Xaa Pos. 2,5,11,12
Seq#:39; Xaa Pos. 2,5,7,11,12
Seq#:40; Xaa Pos. 2,5,7,11,12
Seq#:41; Xaa Pos. 2,5,7,11,12
Seq#:42; Xaa Pos. 2,5,7,11,12
Seq#:43; Xaa Pos. 2,5,10,11,12

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/602,394

DATE: 12/02/2004

TIME: 13:02:08

Input Set : A:\UF-375.ST25.txt

Output Set: N:\CRF4\12022004\J602394.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:1003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:1045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:1077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:1114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:1188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:1225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:1262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:1299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:1336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:1378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:1420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:1546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0